

What is claimed is:

1. A bioabsorbable textile construct comprising:
 - a preliminary article comprising a crystalline copolymer, comprising
 - a copolymer of *L*-lactide and at least one cyclic monomer, said cyclic monomer comprising a liquid at or above about 40°C,
 - wherein the *L*-lactide derived sequences of the polymer chain are crystallizable segments or blocks and comprise from about 60 to about 99 percent of all sequences, and
 - wherein the copolymer has a T_m of at least 150°C, exhibits a crystallinity of at least about 20%, and has an inherent viscosity of at least about 1.0 dl/g; and
 - a coating comprising a nitrogenous copolyester having a molecular weight of less than 20,000 Da and comprising chain sequences covalently linked to a central nitrogen of a tertiary amine, the chain sequences comprising from about 90 to about 98 percent by mole of caprolactone-based units and from about 2 to about 10 percent by mole of glycolide-based units.
2. The bioabsorbable textile construct of claim 1 wherein the preliminary article comprises a suture.
3. The bioabsorbable textile construct of claim 1 wherein the preliminary article comprises a surgical device for use as a tissue-engineered hernial repair patch.
4. The bioabsorbable textile construct of claim 1 wherein the preliminary article comprises a surgical device for use as a tendon, ligament or vascular graft.

5. A bioabsorbable textile construct comprising:

a preliminary article comprising a crystalline copolymer, comprising

a copolymer of *L*-lactide and at least one cyclic monomer, said cyclic monomer comprising a liquid at or above about 40°C,

wherein the *L*-lactide derived sequences of the polymer chain are crystallizable segments or blocks and comprise from about 60 to about 99 percent of all sequences, and

wherein the copolymer has a T_m of at least 150°C, exhibits a crystallinity of at least about 20%, and has an inherent viscosity of at least about 1.0 dl/g; and

a coating comprising a nitrogenous copolyester having a molecular weight of less than 20,000 Da and comprising chain sequences comprising a major portion of units derived from cyclic monomers and a minor portion of units derived from an acid initiator, the cyclic monomer-based units comprising from about 90 to about 98 percent by mole of caprolactone-based units and from about 2 to about 10 percent by mole of glycolide-based units, wherein the acid-based units are bound to a basic amino acid.

6. The bioabsorbable textile construct of claim 5 wherein the preliminary article comprises a suture.
7. The bioabsorbable textile construct of claim 5 wherein the preliminary article comprises a surgical device for use as a tissue-engineered hernial repair patch.
8. The bioabsorbable textile construct of claim 5 wherein the preliminary article comprises a surgical device for use as a tendon, ligament or vascular graft.